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OM nucleic - nucleic search, using sw model

Run on: March 18, 2002, 20:14:08 : Search time 177.86 Seconds  
(without alignments)  
1160.022 Million cell updates/sec

Title: US-09-867-034-1  
Perfect score: 911  
Sequence: 1 ttttttttttcctgtttt.....caccgtggtcgcgggaagc 911

Scoring table:  
IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA.\*  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	305.4	33.5	570	1	US-08-469-667-13
C 2	305.4	33.5	570	5	PCT-US95-07289-13
C 3	286.4	31.4	400	4	US-08-631-469B-3
C 4	265.4	29.1	403	3	US-08-476-705A-3
C 5	236.2	25.9	250	4	US-09-030-607-179
C 6	220.6	24.2	248	4	US-09-020-956-77
C 7	220.6	24.2	248	4	US-09-030-607-77
C 8	102	11.2	431	3	US-08-476-705A-1
C 9	102	11.2	431	4	US-08-631-469B-1
C 10	54	5.9	563	1	US-08-491-976-2
C 11	50	5.5	267	6	5514558-2
C 12	48	5.3	275	4	US-08-134-198E-1
C 13	48	5.3	275	4	US-08-134-198E-2
C 14	48	5.3	275	6	5514558-1
C 15	48	5.3	280	4	US-08-134-198E-3
C 16	48	5.3	280	6	5514558-3
C 17	44.6	4.9	198	3	US-08-782-480-16
C 18	44.6	4.9	198	4	US-08-954-211-16
C 19	37.8	4.1	486	4	US-09-060-756-643
C 20	37.6	4.1	3181	1	US-08-655-086-1
C 21	36.6	4.0	11558	5	PCT-US93-06251-23
C 22	35.4	3.9	7218	1	US-08-232-463-14
C 23	34.4	3.8	7218	1	US-08-232-463-14
C 24	34.4	3.8	9521	4	US-08-972-218-1
C 25	34.4	3.8	13905	4	US-08-972-218-1
C 26	33.6	3.7	1410	4	US-09-255-368-1
C 27	33.2	3.6	3083	2	US-08-480-994-36

C 28	33.2	3.6	3083	2	US-08-616-844-36	Sequence 36, Appl
C 29	33.2	3.6	3083	2	US-08-599-654-36	Sequence 36, Appl
C 30	33.2	3.6	3083	2	US-08-485-573-36	Sequence 36, Appl
C 31	33.2	3.6	3083	3	US-08-944-868A-36	Sequence 36, Appl
C 32	33.2	3.6	3083	3	US-08-944-423A-36	Sequence 36, Appl
C 33	33.2	3.6	3083	3	US-08-925-743-36	Sequence 36, Appl
C 34	33.2	3.6	3083	3	US-08-944-496-36	Sequence 36, Appl
C 35	33.2	3.6	3083	4	US-08-925-767-36	Sequence 36, Appl
C 36	33	3.6	4403765	4	US-09-103-840A-2	Sequence 2, Appl
C 37	32.8	3.6	549	1	US-07-991-867B-28	Sequence 28, Appl
C 38	32.8	3.6	549	1	US-08-107-755A-28	Sequence 28, Appl
C 39	32.8	3.6	549	2	US-08-544-332-28	Sequence 8, Appl
C 40	32.8	3.6	1511	1	US-07-991-867B-8	Sequence 8, Appl
C 41	32.8	3.6	1511	1	US-08-107-755A-8	Sequence 8, Appl
C 42	32.8	3.6	1511	2	US-08-544-332-8	Sequence 8, Appl
C 43	32.8	3.6	3084	3	US-08-826-246-11	Sequence 11, Appl
C 44	32.8	3.6	3084	3	US-08-944-495-11	Sequence 11, Appl
C 45	32.8	3.6	3084	3	US-09-126-640-6	Sequence 6, Appl

## ALIGNMENTS

RESULT 1  
US-08-469-667-13/C  
: Sequence 13, Application US/08469667  
: Patent No. 5733748  
: GENERAL INFORMATION:  
: APPLICANT: Yu, Guo-Liang  
: APPLICANT: Rosen, Craig  
: TITLE OF INVENTION: Colon Specific Genes and Proteins  
: NUMBER OF SEQUENCES: 24  
: CORRESPONDENCE ADDRESS:  
: ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,  
: ADDRESSEE: Stewart & Olstein  
: STREET: 6 Becker Farm Road  
: CITY: Roseland  
: STATE: NJ  
: COUNTRY: USA  
: ZIP: 07068-1739  
: COMPUTER READABLE FORM:  
: MEDIUM TYPE: Floppy disk  
: COMPUTER: IBM PC compatible  
: OPERATING SYSTEM: PC-DOS/MS-DOS  
: SOFTWARE: PatentIn Release #1.0, Version #1.30  
: CURRENT APPLICATION DATA:  
: APPLICATION NUMBER: US/08/469,667  
: FILING DATE: 06-JUN-1995  
: CLASSIFICATION: 536  
: ATTORNEY/AGENT INFORMATION:  
: NAME: Ferraro, Gregory D.  
: REGISTRATION NUMBER: 36,134  
: REFERENCE/DOCKET NUMBER: 325800-435  
: TELECOMMUNICATION INFORMATION:  
: TELEPHONE: 201-994-1700  
: TELEFAX: 201-994-1744  
: INFORMATION FOR SEQ ID NO: 13:  
: SEQUENCE CHARACTERISTICS:  
: LENGTH: 570 base pairs  
: TYPE: nucleic acid  
: STRANDEDNESS: single  
: TOPOLOGY: linear  
: MOLECULE TYPE: cDNA  
: FEATURE:  
: NAME/KEY: CDS  
: LOCATION: 125..367  
: FEATURE:  
: NAME/KEY: mat.peptide  
: LOCATION: 125..367  
US-08-469-667-13

Query Match 33.5% Score 305.4; DB 1; Length 570;

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 570 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 125..367
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 125..367
; PCT-US95-07289-13

Query Match      33.5%; Score 305.4; DB 5; Length 570;
Best Local Similarity 85.7%; Pred. No. 2.1e-83;
Matches 431; Conservative 0; Mismatches 16; Indels 56; Gaps 6;

Qy 413 tgctcctcggtgagcatggagcctttattcgtttaagacatcaggtccagatatgaact 472
Db 552 TTTTTCGGGTGAGCATGGGAC-----TACGTTAAACATCAGGCTCCAGATATGAAT 499

Qy 473 ttcaagagaagcgttcgaggagcaaaagggacagaaagctgagatgaacagtgcctgg 532
Db 498 TTCAGCAGAAAGCGCTT-CCGGAGCAAAAGGACAGAAAAGCTGAGATGAACAGTGCCTGG 440

Qy 533 cagcaatcacagccggcaaggggtgctccgagcctcgcatcccccgcc-ggggggcagct 591
Db 439 CAGCAATCACAGCCGGCAAGGGTGTCTCCGAGCCTCGCATCCCCCGCGGGGGGCAGCT 380

Qy 592 ggagtgctcagaaggtgcatcttgctt---cctgcaggggcttgaacacacagggcac 648
Db 379 GGAGGTGCTCAGAAAGTGCAATTCCTGCTGTCTCAGGGGCTTGAACACCAAGGCAC 320

Qy 649 tcagggatcctggagtcagaagcagcagcccggtgtgtgactccttgggggtgacatg 708
Db 319 TCCAGGGATCCTGGAGTCNAAGCAGCACGCCCGGTTGTTGCACTCCTTGGGGGTGACATG 260

Qy 709 ggggtagccgcgtccacccctgctcttggctggcagcagcaactggtttgagctgtccc 768
Db 259 GGGGTAGCCGCAGTCACCTGCTCCTTGGCTGGCAGCCACACTGGTTTGA----- 206

Qy 769 agacaaagccctgtcagctgccagagccctgtgtggagcagcccaacttctctcagc 828
Db 207 -----GACAGGCCACAGTAC-TCCTCAGC 185

Qy 829 agagctggaggacagagccagcagccagccagccagccagccagccagccagccagccat 888
Db 184 AGAGCTGGAGGACAGCAAGGCCAGGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAT 125

Qy 889 gaccacgtgggtccgggagcg 911
Db 124 GACCACCGTGGCTCCGGTACGC 102

RESULT 3
PCT-US95-07289-13/c
; Sequence 13, Application PC/TUS9507289
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-265
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 13:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 570 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 125..367
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 125..367
; PCT-US95-07289-13

Query Match      33.5%; Score 305.4; DB 5; Length 570;
Best Local Similarity 85.7%; Pred. No. 2.1e-83;
Matches 431; Conservative 0; Mismatches 16; Indels 56; Gaps 6;

Qy 413 tgctcctcggtgagcatggagcctttattcgtttaagacatcaggtccagatatgaact 472
Db 552 TTTTTCGGGTGAGCATGGGAC-----TACGTTAAACATCAGGCTCCAGATATGAAT 499

Qy 473 ttcaagagaagcgttcgaggagcaaaagggacagaaagctgagatgaacagtgcctgg 532
Db 498 TTCAGCAGAAAGCGCTT-CCGGAGCAAAAGGACAGAAAAGCTGAGATGAACAGTGCCTGG 440

Qy 533 cagcaatcacagccggcaaggggtgctccgagcctcgcatcccccgcc-ggggggcagct 591
Db 439 CAGCAATCACAGCCGGCAAGGGTGTCTCCGAGCCTCGCATCCCCCGCGGGGGGCAGCT 380

Qy 592 ggagtgctcagaaggtgcatcttgctt---cctgcaggggcttgaacacacagggcac 648
Db 379 GGAGGTGCTCAGAAAGTGCAATTCCTGCTGTCTCAGGGGCTTGAACACCAAGGCAC 320

Qy 649 tcagggatcctggagtcagaagcagcagcccggtgtgtgactccttgggggtgacatg 708
Db 319 TCCAGGGATCCTGGAGTCNAAGCAGCACGCCCGGTTGTTGCACTCCTTGGGGGTGACATG 260

Qy 709 ggggtagccgcgtccacccctgctcttggctggcagcagcaactggtttgagctgtccc 768
Db 259 GGGGTAGCCGCAGTCACCTGCTCCTTGGCTGGCAGCCACACTGGTTTGA----- 206

Qy 769 agacaaagccctgtcagctgccagagccctgtgtggagcagcccaacttctctcagc 828
Db 207 -----GACAGGCCACAGTAC-TCCTCAGC 185

Qy 829 agagctggaggacagagccagcagccagccagccagccagccagccagccagccagccat 888
Db 184 AGAGCTGGAGGACAGCAAGGCCAGGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAT 125

Qy 889 gaccacgtgggtccgggagcg 911
Db 124 GACCACCGTGGCTCCGGTACGC 102

RESULT 3
US-08-631-469B-3/c
; Sequence 3, Application US/08631469B
; Patent No. 6221840
; GENERAL INFORMATION:
; APPLICANT: Daniel K. Podolsky
; TITLE OF INVENTION: INTESTINAL TREFOIL PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
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COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/631,469B  
FILING DATE: 12-Apr-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/631,469  
FILING DATE: 12-Apr-1996  
APPLICATION NUMBER: 08/191,352  
FILING DATE: 02-FEB-1994  
APPLICATION NUMBER: 08/037,741  
FILING DATE: 25-MAR-1993  
APPLICATION NUMBER: 07/837,192  
FILING DATE: 13-FEB-1992  
APPLICATION NUMBER: 07/655,965  
FILING DATE: 14-FEB-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Melklejohn, Ph.D., Anita L.  
REGISTRATION NUMBER: 35,283  
REFERENCE/DOCKET NUMBER: 00786/322001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-542-5070  
TELEFAX: 617-542-8906  
TELEX: 200107

## INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:  
LENGTH: 400 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

## FEATURE:

NAME/KEY: Coding Sequence  
LOCATION: 2...223  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-08-631-469B-3

Query Match 31.4%; Score 286.4; DB 4; Length 400;  
Best Local Similarity 93.9%; Pred. No. 1e-77; Indels 10; Gaps 2;  
Matches 323; Conservative 0; Mismatches 11;

QY 418 tcgggtggagcattgacacatttattcgtaagacatcaggctccagatatgaactttcag 477  
DB 396 TCGGGTGGACATGGGACCTTTATTGTTAAGACATCAGGCTCCAGATATGAACITTCAG 337  
QY 478 cagaagcgttgcgggagcaaaaggagacagaaaagtgtgagatgaacagtgcctggcagca 537  
DB 336 CAGAA-AGCTTGGCGGAGCAAAAGGACAGAAAAGTGAACAGTGCCTGGCAGCA 278  
QY 538 atcacagccgggcaagggtgctccagcctcgcatccccgcgggggagcagctggaggt 597  
DB 277 ATCAGACCGGGCAAGGGTGCTCAG-----CCTGCATCCAGGGGCAGCTGGAGGT 227  
QY 598 gctcagaaggtgattcttcttccttcctgcagggttgcaggggcttgaacacaaaggcactccaggtat 657  
DB 226 GCCTCAGAGGTGCATCTCTCTCCAGAGGGCTTGAACACCAAGGCACTCCAGGGAT 167  
QY 658 cctggagtcaaacagcagcccggttgcactcttgggggtgacatgggggtagcc 717  
DB 166 CTTGGAGTCAAAAGCAGAGCCCGGTTGTTCACACTCTTGGGGGTGACATGGGGTAGCC 107  
QY 718 gcagtcacccctgcttcttggctggcagcggcacactgggttgag 761  
DB 106 GCAGTCAACCTGTCTCTTGGCGGACGCGGACACTGGTTTGACG 63

## RESULT 4

US-08-476-705A-3/c  
Sequence 3, Application US/08476705A  
Patent No. 6063755  
GENERAL INFORMATION:  
APPLICANT: Podolsky, Daniel K.

TITLE OF INVENTION: INTESTINAL TREPOIL PROTEINS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson, P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: US  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/476,705A  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Melklejohn, Ph.D., Anita L.  
REGISTRATION NUMBER: 35,283  
REFERENCE/DOCKET NUMBER: 00786/066004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-542-5070  
TELEFAX: 617-542-8906  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 403 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

US-08-476-705A-3

Query Match 29.1%; Score 265.4; DB 3; Length 403;  
Best Local Similarity 91.6%; Pred. No. 2.5e-71;  
Matches 318; Conservative 0; Mismatches 16; Indels 13; Gaps 3;

QY 418 tcgggtggagcattgacacatttattcgtaagacatcaggctccagatatgaactttcag 477  
DB 399 TCGGGTGGAGCATGGGACCTTTATTGTTAAGACATCAGGCTCCAGATATGAACITTCAG 340  
QY 478 cagaagcgttgcgggagcaaaaggagacagaaaagtgtgagatgaacagtgcctggcagca 537  
DB 339 CAGAA-AGCTTGGCGGAGCAAAAGGACAGAAAAGTGAACAGTGCCTGGCAGCA 281  
QY 538 atcacagccgggcaagggtgctccagcctcgcatccccgcgggggagcagctggaggt 597  
DB 280 ATCAGACCGGGCAAGGGTGCTCAG-----CCTGCATCCAGGGGCAGCTGGAGGT 230  
QY 598 gctcagaaggtgattcttcttccttcctgcagggttgcaggggcttgaacacaaaggcactccaggt 654  
DB 229 GCCTCAGAGGTGCATCTCTCTTGTAGTCAGGGGCTTGAACACCAAGGCACTCCAGG 170  
QY 655 gatcctggagtcaaaaggcagcagcccggttgcactccttgggggtgacatgggggata 714  
DB 169 GATCCTGGAGTCAAAAGCAGAGCCCGGTTGTTCACACTCTTGGGGGTGACATGGGGGTA 110  
QY 715 gcgcagtcacccctgcttcttggctggcagcggcacactgggttgag 761  
DB 109 GCCGAGTCCACCTGTCTTGGCGGACGCGGACACTGGTTTGACG 63

## RESULT 5

US-09-030-607-179/c  
Sequence 179, Application US/09030607  
Patent No. 6262245  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS  
NUMBER OF SEQUENCES: 224  
CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/030,607  
FILING DATE: 25-FEB-1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Maki, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.427C3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 179:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 250 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-09-030-607-179

Query Match 25.9%; Score 236.2; DB 4; Length 250;  
Best Local Similarity 98.8%; Pred. No. 1.5e-62;  
Matches 238; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 413 tgcctcgggtgagcatggacatttattcgttaagacatcaggtccagatatgaact 472  
Db 241 TTTTTCGGGTGAGCATGGACCTTTATTTCGTTAAGACATCAGGCTCCAGATATGAAC 182  
QY 473 tcagcagaagcgttgcggagcagaagggacagaaaagcgtgagatgaacagtcctgg 532  
Db 181 TTACAGAGAAGCGCTTCCCGGAGACAAAGGACAGAAAAGCTGAGATGAACAGTGCCTGG 122  
QY 533 cagcaatcacagccggcgaaggtgctccagcctcgcaccccccggccggcgagctg 592  
Db 121 CACCATCACAGCCGGCAGAGGTGCTCCGAGGCTCGCATCCCCCGCCGGGGCAGCTG 62  
QY 593 gagtgctcagaagtgatcttctcgtcaggggtttgaacacacacacaggaactcca 652  
Db 61 GAGGTGCTCAGAAGGTGATTCGTTCTCTGAGGGGCTTGAACACCAAGGCACCTCCA 2  
QY 653 g 653  
Db 1 G 1

RESULT 6  
US-09-020-956-77/c  
Sequence 77, Application US/09020956  
Patent No. 6261562  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO  
NUMBER OF SEQUENCES: 178  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/020,956  
FILING DATE: 09-FEB-1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Maki, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.427C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 77:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 248 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
ORIGINAL SOURCE:  
ORGANISM: Homo Sapiens  
US-09-020-956-77

Query Match 24.2%; Score 220.6; DB 4; Length 248;  
Best Local Similarity 97.5%; Pred. No. 8.4e-56;  
Matches 235; Conservative 0; Mismatches 4; Indels 2; Gaps 1;  
QY 413 tgcctcgggtgagcatggacatttattcgttaagacatcaggtccagatatgaact 472  
Db 239 TTTTTCGGGTGAGCATGGACCTTTATTTCGTTAAGACATCAGGCTCCAGATATGAAC 180  
QY 473 tcagcagaagcgttgcggagcagaagggacagaaaagcgtgagatgaacagtcctgg 532  
Db 179 TTACAGAGAAGCGCTTCCCGGAGACAAAGGACAGAAAAGCTGAGATGAACAGTGCCTGG 120  
QY 533 cagcaatcacagccggcgaaggtgctccagcctcgcaccccccggccggcgagctg 592  
Db 119 CAGCATCACAGCCGGCAGAGGTGCTCCGAGGCTCGCATCCCCCG--CCGGGGCAGCTG 62  
QY 593 gagtgctcagaagtgatcttctcgtcaggggtttgaacacacacacaggaactcca 652  
Db 61 GAGGTGCTCAGAAGGTGATTCGTTCTCTGAGGGGCTTGAACACCAAGGCACCTCCA 2  
QY 653 g 653  
Db 1 G 1

RESULT 7  
US-09-030-607-77/c  
Sequence 77, Application US/09030607  
Patent No. 6262245  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS  
NUMBER OF SEQUENCES: 224  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30

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? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/030,607
? FILING DATE: 25-FEB-1998
? CLASSIFICATION:
? ATTORNEY/AGENT INFORMATION:
? NAME: Maki, David J.
? REGISTRATION NUMBER: 31,392
? REFERENCE/DOCKET NUMBER: 210121.427C3
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (206) 622-4900
? TELEFAX: (206) 682-6031
? INFORMATION FOR SEQ ID NO: 77:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 248 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA
? ORIGINAL SOURCE:
? ORGANISM: Homo Sapiens
? US-09-030-607-77

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Query Match 24.2%; Score 220.6; DB 4; Length 248;  
Best Local Similarity 97.5%; Pred. No. 8.4e-58;  
Matches 235; Conservative 0; Mismatches 4; Indels 2; Gaps 1;

Qy	413	tgctctcgggtgagcatgggacctttatctgttaagacatcaggctccagatatgaact	472
Db	239	TTTTTTCGGGTGGAGATGGAGCTTTATTCGTTAAAGACATCAGGCTCCAGATATGAAC	180
Qy	473	ttcagcagaagcgcctgcccgagcagaaggacagaagaagctgagatgaacagtcgctgg	532
Db	179	TTCAGCAGAACCGCTTGCCTGGGACAAAGGGACAGAAAAGCTCGATGAACTGCTCTGG	120
Qy	533	cagcaatcacagccggcgaagggtgcctcgagcctcgcatccccggccggggggcagctg	592
Db	119	CAGCAATCACAGCCGGGCAAGGTGCTCGAGCTCGCATCCCGG - -CCGGGGGAGGTG	62
Qy	593	gagtgacctcagaagtgatctgcctcctcagagggttgaacacacaaggcactcca	652
Db	61	GAGTGGCTCAGAGGTGTCATTCTGTTCTCTCGAGGGGCTTGAACACCAAGGCAC	2
Qy	653	g 653	
Db	1	G 1	

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RESULT      8
US-08-476-705A-1/c
; Sequence 1, Application US/08476705A
; Patent No. 6063755
; GENERAL INFORMATION:
; APPLICANT: Podolsky, Daniel K.
; TITLE OF INVENTION: INTESTINAL TREFOIL PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,705A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:

```

NAME: Melkiesjohn, Ph.D., Anita L  
REGISTRATION NUMBER: 35,283  
REFERENCE/DOCKET NUMBER: C0786/0666004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-542-5070  
TELEFAX: 617-542-8906  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 431 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-476-705A-1

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Query Match      11.2%; Score 102; DB 3; Length 431;
Best Local Similarity 69.7%; Pred. No. 1.5e-21;
Matches 138: Conservative 0; Mismatches 60; Indels 0; Gaps 0;
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Qy	586	gcagctggaggtgcctcagaagtgcatctctctcctcaggggcttgaacacacccaag	645
Db	278	GGAGCCTGGACAGCTTCAAAATACATTCTGTCTTGCAGAGGTTTGAAGCACCAGG	219
Qy	646	cactccaggatcctgagatcaaaacagacagcccccggttgttgcactccttgggggtgac	705
Db	218	CACATTGGGATGCTGGAGTCAAAACAGCAACCACGGTGTACACTGCTCTGATGTGAC	159
Qy	706	atggggtagccgagtcacacctctcttggctggcagcgacacactggtttgcagctgt	765
Db	158	AGTGGGTAGTTACAGTCCACCCTGACATTGTTGGCGCCATACATTGCTGGAGATAG	99
Qy	766	cccagacaaaagccctgtc	783
Db	98	GCCACACAAATTCCTGGGC	81

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RESULT          9
US-08-631-469B-1/c
; Sequence 1, Application US/08631469B
; Patent No. 6321840
; GENERAL INFORMATION:
; APPLICANT: Daniel K. Podolsky
; TITLE OF INVENTION: INTESTINAL TREFOIL PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/631,469B
; FILING DATE: 12-Apr-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/631,469
; FILING DATE: 12-APR-1996
; APPLICATION NUMBER: 08/191,352
; FILING DATE: 02-FEB-1994
; APPLICATION NUMBER: 08/037,741
; FILING DATE: 25-MAR-1993
; APPLICATION NUMBER: 07/837,192
; FILING DATE: 13-FEB-1992
; APPLICATION NUMBER: 07/655,965
; FILING DATE: 14-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,383

```

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; REFERENCE/DOCKET NUMBER: 00786/322001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200107
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 18...260
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-08-631-469B-1
;
;
; Query Match 11.2%; Score 102; DB 4; Length 431;
; Best Local Similarity 59.7%; Pred. No. 1.5e-21;
; Matches 138; Conservative 0; Mismatches 60; Indels 0; Gaps 0
;
; QY 586 gaagctggagggtgctcagaagggtgcattctctcgagggggttgaacaccaaagg 645
; ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
; Db 278 GGAGCGCTGCACAGCTTCAAAATGTACATTCTGTCTTGGAGAGGTTGAAGACCACGGG 219
; ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
; QY 546 cactcagaggtacctggagtcataaagcacacaccccggtttgtcactcccttgggggtgac 705
; ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
; Db 218 CACATTGGGATGCTGGAGTCAAAACACACACACCGGTGTTCACATGCTCTCATGTGTGAC 159
; ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
; QY 706 atggggggtgagcgcgagtcacccctgtctcttggtggcagcgacactgggttgcagctgt 765
; ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
; Db 158 AGTGGGGTGTATTACAGTCCACCCTGACATTTGTTGGCGCCATACATTGGCTTGGAGATAG 99
; ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
; QY 766 ccagacaaagccctgctc 783
; ||||| ||||| ||||| |||||
; Db 98 GCCAACAAATCTCTGGGC 81
; ||||| ||||| ||||| |||||
;
; RESULT 10
; US-08-491-976-2/c
; Sequence 2, Application US/08491976
; Patent No. 5783416
;
; GENERAL INFORMATION:
; APPLICANT: Thim, Lars
; APPLICANT: No. 5783416ris, Kjeld
; APPLICANT: No. 5783416ris, Panny
; APPLICANT: Bjord, Soren E.
; APPLICANT: Christensen, Mogens
; APPLICANT: Nielsen, Per F.
; TITLE OF INVENTION: Human Spasmodytic Polypeptide in
; TITLE OF INVENTION: Glycosylated Form
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 57834160 No. 5783416disk of No. 5783416th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/491.976
; FILING DATE: 02-AUG-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 3951.204-US

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5514558-1

Query Match 5.3%; Score 48; DB 6; Length 275;  
Best Local Similarity 55.4%; Pred. No. 3.1e-05;  
Matches 93; Conservative 0; Mismatches 75; Indels 0; Gaps 0;

Qy 629 ggcttgaaacacacagcactccaggatccctggagtcacaaagcagcagcccggttg 688  
Db 236 GGATAGAACACACAGGGACCCACGACGGTGTCTGGAACACAGCCCTTATTGCA 177

Qy 689 cactccttggtgagatcggggtagcgcagtcacacccctgtccttggtgcacgcca 748  
Db 176 CACTGGGAGGGGTGACACAGCAAAACCAATCTGTCTTTACGGGGGCCCACTGTA 117

Qy 749 cactggttgagcgtgtccacagacaaagccctgtcagctgccagagcc 796  
Db 116 CACGTCTGTCTGGGCTCGCCAGGGTGCAGGGCCAGCATGGAC 69

## RESULT 15

US-08-134-198E-3/c  
; Sequence 3, Application US/08134:198E  
; Patent No. 6190885  
; GENERAL INFORMATION:  
; APPLICANT: CANCER RESEARCH FUND  
; APPLICANT: OF CONTRA COSTA  
; APPLICANT: PETERSON, JERRY A.  
; APPLICANT: LAROCCA, DAVID J.  
; TITLE OF INVENTION: FUSION PROTEIN CONTAINING HMFG  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pretty, Schroeder & Poplawski  
; STREET: 444 South Flower Street, Suite 1900  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: USA  
; ZIP: 90071  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0,  
; SOFTWARE: Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/134,198E  
; FILING DATE: October 8, 1993  
; CLASSIFICATION: 520  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Anzel, Viviana  
; REGISTRATION NUMBER: 30,930  
; REFERENCE/DOCKET NUMBER: P66 38208 (CRFC-003C)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 622-7700  
; TELEFAX: (213) 489-4210  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 280 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
US-08-134-198E-3

Query Match 5.3%; Score 48; DB 4; Length 280;  
Best Local Similarity 55.4%; Pred. No. 3.2e-05;  
Matches 93; Conservative 0; Mismatches 75; Indels 0; Gaps 0;

Qy 629 ggcttgaaacacacagcactccaggatccctggagtcacaaagcagcagcccggttg 688  
Db 240 GGATAGAACACAGGGACCCACGACGGTGTCTGGAACACAGCCCTTATTGCA 181

Qy 689 cactccttggtgagatggtgtagccgagtcacacccctgtccttggtgcacgcca 748  
Db 180 CACTGGGAGGGGTGACACAGCAAAACCAATCTGTCTTTACGGGGGCCCACTGTA 121

Qy 749 cactggttgagcgtgtccacagacaaagccctgtcagctgccagagacc 796  
Db 120 CACGTCTGTCTGGGCTCGCCAGGGTGCAGGGCCAGCATGGAC 73

Search completed: March 18, 2002, 21:01:04  
Job time: 2816 sec